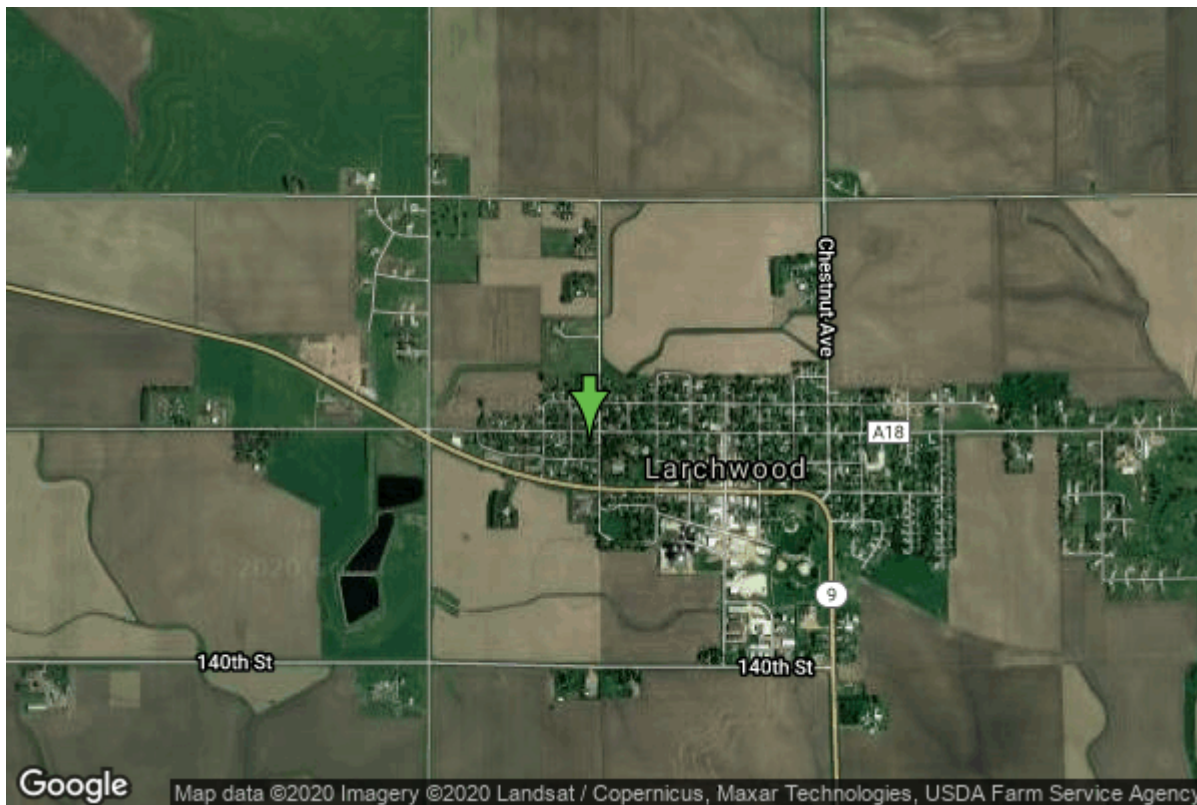


Well W#30314 Information



Date Received	08/03/1989	State	Iowa
Owner Name	Larchwood, City Of	County	Lyon
Alt Name	#4	Quadrangle	Larchwood, Iowa
WNumber	30314	Township	T100N
PWTS ID	0	Range	R47W
PWS ID	6000755	Section	30
Storet ID	0	Quarter	SW NE NE
SDWIS ID	2584826	Latitude	43.4544100000
USGS ID	0	Longitude	-96.4393100000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	221733
		UTM Y	4817026

Site Type	Drilled hole	Drilling Company	Unknown
Well Status	Active	Drilling Date	07/19/1988
Field Located	No	Drilling Method	Rotary
Elevation	1467 ft	Bedrock Depth	315 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	676 ft
Landscape Position	Unknown	Total Depth	676 ft
		Well Types	Municipal, Public Supply
		Aquifers	Dakota/Cretaceous

Casing Construction Information

Date	07/19/1988	Casing Type	Unknown
Start Depth	0.00 ft	End Depth	645.00 ft

Diameter	8.00 in	Amount	0.00 ft
Comments			

Date	07/19/1988	Casing Type	Unknown
Start Depth	621.00 ft	End Depth	641.00 ft
Diameter	4.00 in	Amount	20.00 ft
Comments			

Screen Construction Information

Date	07/19/1988		
Screen Type	Steel	Slot Size	0.03
Start Depth	641.00 ft	End Depth	676.00 ft
Diameter	0.00 in	Amount	35 ft
Comments			

Grout Construction Information

Date	07/19/1988		
Grout Type	Cement	Grout Placement	
Start Depth	8.00 ft	End Depth	640.00 ft
Comments			

Log Information

Date	07/19/1988
Log Types	Drillers log
Prepared By	
Comments	

Date	
Log Types	Strip log
Prepared By	Unknown
Comments	

Stratigraphy Information

System	Quaternary		
Series	Pleistocene Series		
Group	Wisconsinan Episode		
Formation	Peoria		
Member			
Submember			
Start Depth	0.00 ft	End Depth	10.00 ft
Contact Accuracy			

Penetration			
Primary Lithology	Loess	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	10.00 ft	End Depth	100.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Oxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	100.00 ft	End Depth	125.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	55
Secondary Lithology	Till - Oxidized And Unleached	Percent	45
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	125.00 ft	End Depth	145.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	90
Secondary Lithology	Till - Oxidized And	Percent	10

Tertiary Lithology Comments	Unleached	Percent	
System Series Group Formation Member Submember	Quaternary Pleistocene Series Pre-Illinoian		
Start Depth	145.00 ft	End Depth	150.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Oxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology Comments		Percent	
System Series Group Formation Member Submember	Quaternary Pleistocene Series Pre-Illinoian		
Start Depth	150.00 ft	End Depth	240.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	80
Secondary Lithology	Till - Oxidized And Unleached	Percent	20
Tertiary Lithology Comments		Percent	
System Series Group Formation Member Submember	Quaternary Pleistocene Series Pre-Illinoian		
Start Depth	240.00 ft	End Depth	250.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	60
Secondary Lithology	Till - Oxidized And Unleached	Percent	40
Tertiary Lithology		Percent	

Comments

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	250.00 ft	End Depth	255.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	255.00 ft	End Depth	265.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	75
Secondary Lithology	Sand	Percent	25
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	265.00 ft	End Depth	295.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		

Group Formation Member Submember	Pre-Illinoian		
Start Depth	295.00 ft	End Depth	315.00 ft
Contact Accuracy Penetration			
Primary Lithology	Sand And Gravel	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System Series	Cretaceous		
Group Formation Member Submember	Fort Benton ("Lower Colorado ") Dakota		
Start Depth	315.00 ft	End Depth	676.00 ft
Contact Accuracy Penetration			
Primary Lithology	Shale	Percent	98
Secondary Lithology	Sandstone	Percent	2
Tertiary Lithology		Percent	
Comments	no sample 635'- 679'		

Water Production Information

Date	09/15/2015	Start Time	
Aquifer			
Static Water Level	342.00 ft	Yield	200 gallons per minute
Pumping Water Level	362 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No
Pump Method	Unknown	Duration	600 mins
Comments	Reported on 2015 DNR Dakota survey.		

Date	07/19/1988	Start Time	
Aquifer	Unknown		
Static Water Level	191.00 ft	Yield	200 gallons per minute
Pumping Water Level	251 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No
Pump Method	Unknown	Duration	0 mins
Comments			

Chip Storage Information

Date	08/29/1989	Bin	
Storage	OD2-498, 499	Number of Samples	127
Number of Boxes	2	Sample Gaps	640-676'
Sample Intervals	0	Sample Bottom	640 ft
Sample Top	0 ft	Washed Bottom	640 ft
Washed Top	345 ft		
Duplicate Storage			
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/30314/general-information>